

CFU

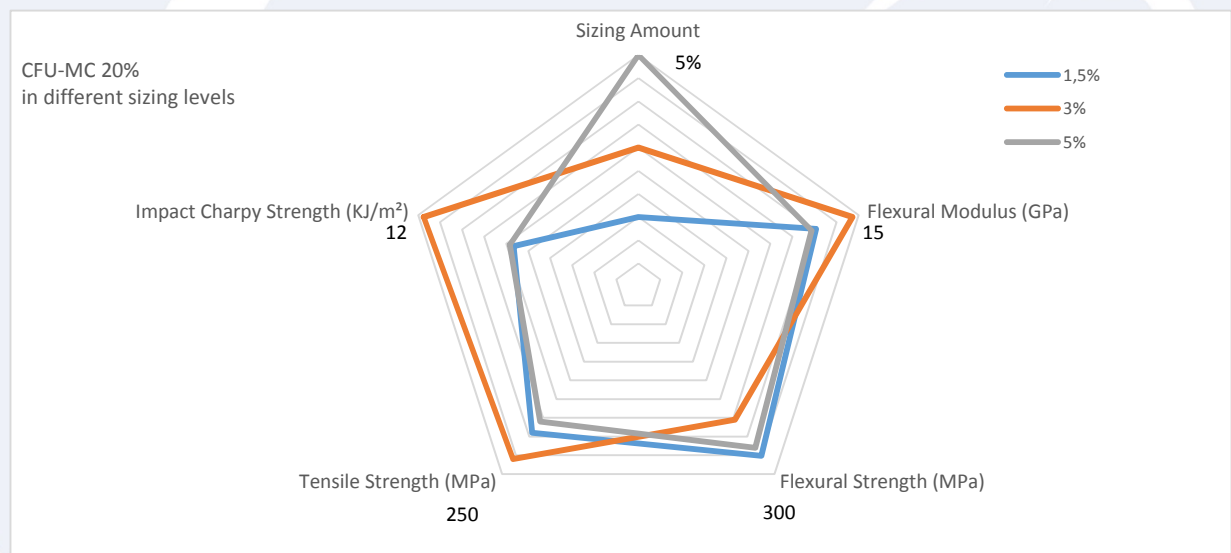
CFU is a chopped carbon fiber made of high class long fiber and designed as a general purpose grade for compounding various polymers; in particular PA6, PA 66 and PC.

Three different sizing contents for optimized behavior:

- LC – Low content for a good electrical conductivity with low outgassing
- MC – Medium content balanced between conductivity, and mechanical properties
- HC – High content for best mechanical strength, and increased resistivity

Material Properties	Value	Unit	Test Method
Fiber Type	Polyacrylnitrile (PAN)		
Fiber Length standard	6	mm	NPS
Fiber Length available	2 ... 25	mm	NPS
Fiber Diameter	5 ... 7.5	µm	NPS
Size Amount (low – medium – high)	1.5 – 3 – 5	%	NPS
Density	1.76 ... 1.82	g/cm ³	NPS
Bulk Density	> 300	g/cm ³	NPS
Moisture Content	< 0.2	%	NPS
Compound Properties in PA6.6	Fiber content 20%	Sizing 3%	
Tensile Strength	246	MPa	NPS
Flexural Modulus	18	MPa	NPS
Charpy Impact Strength	7	KJ/m ²	NPS

Standard delivery unit is 20kg plastic bag, 500kg per palette.



Disclaimer: Above values are for reference only and must be checked individually for each application. This information is given in good faith, we cannot guarantee all aspects to be covered.